S
553.28
Ols
v.22 n.10
Oct 74
SHELVED WITH
PERIODICALS

Montana State Library
3 0864 1006 0269 0

MONTANA OIL AND GAS STATISTICAL BULLETIN

ADMINISTRATORS

DONALD E. CHISHOLM, ADMINISTRATOR
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, ATTORNEY
1721 ELEVENTH AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, PETROLEUM ENGINEER
15 POLY DRIVE
BILLINGS, MONTANA 59101

JOHN HUGHES, GEOLOGIST
15 POLY DRIVE
BILLINGS, MONTANA 59101

BOARD MEMBERS

R. A. CAMPBELL, CHAIRMAN
1222 N. 27TH STREET
BILLINGS, MONTANA 59101

C.J. IVERSON, VICE CHAIRMAN
WHITLASH, MONTANA 59545

MILTON G. ANDERSON
P. O. BOX 73
SIDNEY, MONTANA 59270

PAUL C. BUNN
WESTLAND BLDG.
CHESTER, MONTANA 59522

JOHN P. MOORE
P. O. BOX 997
CUT BANK, MONTANA 59427

BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXII, No. 10 **OCTOBER, 1974**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1974, averaged 93,888 barrels daily, a decrease of 1,105 barrels from the average 94,993 production in September.

The nine refineries in the state processed 100,381 barrels of crude oil daily for the month of October, 1974, a decrease of 33,608 barrels from the 133,989 barrels processed daily during the month of September.

During October, 81 wells were completed, 4 oil, 36 gas and 41 dry holes.

During October, the Board issued 126 permits to drill new wells, an increase of 21 from the 105 permits issued during September.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF OCTOBER, 1974

IN STORAGE OCTOBER 1st	
By Producers	321,580
By Transporters	1,183,011
By Refiners	1,105,051
TOTAL STORAGE	2,609,642
Produced in Montana During Month	2,910,532
Imported During Month	2,391,582
TOTAL	7,911,756
DISPOSITION:	
Refined in Montana	3,111,824
Exported	2,010,567
Used for Fuel or Lost	10,106
TOTAL	5,132,497
IN STORAGE OCTOBER 31st	
By Producers	314,306
By Transporters	1,318,261
By Refiners	1,146,692
TOTAL STORAGE	2,779,259

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of October, 1974

Field	M. C. Ft.
NATURAL:	
Big Coulee	69,873
Black Coulee	14,540
Blackjack	21,685
Bowdoin	413,899
Bowes	12,210
Cedar Creek	77,493
Canadian Coulee	228,962
Cut Bank (including Reagan)	139,087
Dry Creek	37,355
Ethridge	9,934
Flat Coulee	13,030
Gold Butte	—0—
Grandview	497
Hardin	3,104
Keith Block	26,661
Kevin Sunburst	7,012
Kicking Horse	16,430
Lake Basin	51,866
Liscom Creek	36,145
Middle Butte	1,222
Mt. Lilly	19,675
Plevna	6,107
South Devon	11,707
Shepard	311,321
Tiger Ridge	1,373,551
Trail Creek	—0—
Utopia	—0—
West Butte	56,304
Whitlash	8,657
ASSOCIATED:	
Bell Creek	80,792
Brush Lake	93
Cabin Creek	63,324
Elk Basin	56,934
Fairview	67,151
Fred & George Creek	2,423
Pine	46,217
Richland	44,143
Tule Creek	15,510
TOTAL	3,344,914

Total Withdrawals for October, 1973, were 3,726,097.

MONTANA STATE LIBRARY
930 East Lyndale Avenue
Helena, Montana 59601

PRODUCERS REPORT — MONTH OF OCTOBER, 1974

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	30	815	----------	697	----------	148
1	Bainville	1	1,841	623	----------	1,129	----------	1,335
2	Bannatyne	2	----------	405	405	----------	----------	----------
4	Bear's Den	5	1,642	712	----------	824	----------	1,530
17	Bell Creek	222	19,332	812,086	810,119	----------	----------	21,299
1	Benrud	1	526	697	----------	843	----------	380
3	Benrud East	3	2,308	8,622	----------	9,218	----------	1,712
1	Benrud Northeast	1	707	1,648	----------	868	----------	1,487
1	Berthelote	1	416	173	----------	----------	----------	589
5	Big Wall	16	1,687	5,508	5,744	----------	----------	1,451
4	Blackfoot	5	488	1,041	1,112	----------	----------	417
2	Border	7	2,729	685	----------	410	----------	3,004
1	Bowes	51	4,749	11,254	11,461	----------	----------	4,542
1	Bradley	1	348	501	410	----------	----------	439
2	Brady	2	----------	530	----------	530	----------	----------
4	Brorson-Madison	4	1,328	2,782	----------	2,635	----------	1,475
4	Brorson-Red River	4	6,971	4,577	----------	5,332	----------	6,216
3	Brorson-Red River South	3	2,204	7,230	----------	7,576	----------	1,858
6	Brush Lake	6	1,064	10,591	10,823	----------	----------	832
1	Burns Creek	1	540	1,151	----------	1,180	----------	511
2	Cabin Creek	86	----------	187,476	187,476	----------	----------	----------
1	Canal	1	852	3,856	----------	4,378	----------	330
9	Cat Creek	37	2,799	11,073	11,621	----------	----------	2,251
1	Chelsea Creek	1	271	113	----------	210	----------	174
1	Clark's Fork	1	69	264	----------	206	----------	127
1	Clark's Fork South	1	250	1,178	----------	1,282	----------	146
2	Conrad South	2	----------	414	414	----------	----------	----------
2	Cow Creek	2	314	398	----------	527	----------	185
4	Cow Creek East	5	418	14,376	----------	14,169	----------	625
1	Culbertson	1	453	409	----------	632	----------	230
7	Cupton	9	4,896	11,663	7,170	1,264	----------	8,125
115	Cut Bank	847	51,002	253,592	216,327	38,612	603	49,052
----	Dean Dome	----------	65	----------	----------	----------	----------	65
1	Deer Creek	1	503	1,079	1,371	----------	----------	211
1	Delphia	1	81	358	----------	355	----------	84
1	Devil's Basin	1	743	200	----------	175	----------	768
2	Dwyer	10	5,130	9,996	10,562	----------	----------	4,564
8	Elk Basin	43	656	106,933	106,956	----------	----------	633
5	Elk Basin Northwest	11	1,679	2,909	2,972	----------	----------	1,616
5	Fairview	9	8,370	27,213	13,617	15,160	----------	6,806
2	Fertile Prairie	2	582	1,311	----------	1,383	----------	510
4	Flat Coulee	20	2,653	10,673	10,552	----------	----------	2,774
36	Flat Lake	52	2,934	54,925	55,024	----------	----------	2,835
6	Flat Lake South	6	767	7,577	7,720	----------	----------	624
1	Four Buttes	1	30	21	----------	----------	----------	51
1	Ft. Gilbert	2	629	9,620	10,010	----------	----------	239
1	Frannie	1	----------	682	682	----------	----------	----------
10	Fred & George Creek	30	3,039	47,804	48,229	----------	----------	2,614
1	Froid South	1	453	769	----------	829	----------	393
1	Gage	1	139	135	----------	168	----------	106
3	Gas City	3	5,270	31,262	26,826	5,529	----------	4,177
2	Girard	2	1,252	1,243	----------	1,520	----------	975
11	Glendive	14	2,047	32,318	32,758	----------	----------	1,607
11	Goose Lake	28	3,638	24,553	25,543	----------	----------	2,648
13	Graben Coulee	32	8,855	18,443	14,404	4,268	47	8,579
1	Gypsy Basin	1	----------	192	----------	192	----------	----------
1	Hay Creek-Mission Canyon	1	155	1,164	1,132	----------	----------	187
1	Hay Creek-Red River	1	411	4,007	3,775	----------	----------	643
4	Hiawatha	4	2,182	5,172	3,912	----------	----------	3,442
1	Hibbard	1	362	191	----------	194	----------	359
1	Howard Coulee	1	1,899	540	----------	----------	----------	2,439
----	Injun Creek	----------	266	----------	----------	----------	266	----------
5	Ivanhoe	10	1,557	2,404	2,966	----------	----------	995
2	Jim Coulee	18	4,141	42,172	42,204	----------	----------	4,109
7	Keg Coulee	22	4,352	10,080	9,410	----------	46	4,976
2	Keg Coulee North	2	610	1,827	1,808	----------	----------	629
1	Kelley	3	695	3,741	3,623	----------	----------	813
80	Kevin Sunburst	373	12,688	22,245	22,313	1,778	----------	10,842
8	Laird Creek	10	544	2,261	1,048	1,415	----------	342
1	Landslide Butte	2	568	436	----------	----------	----------	1,004
3	Leary	3	1,921	1,944	----------	1,650	----------	2,215
1	Little Beaver	23	----------	34,518	34,518	----------	----------	----------
2	Little Beaver East*	8	1,894	12,535	12,712	----------	----------	1,717
6	Little Wall Creek	7	2,420	27,548	27,436	----------	----------	2,532
----	Lodge Grass	----------	239	----------	----------	----------	----------	239
1	Lone Butte	1	808	6,933	----------	6,833	----------	908
3	Lonetree Creek	3	4,100	17,208	----------	17,352	----------	3,956
3	Lookout Butte (Coral Creek)	30	802	53,338	53,777	----------	----------	363
2	Mason Lake	2	328	642	718	----------	----------	252
2	Melstone	4	668	1,782	1,797	----------	----------	653
----	Mineral Bench	----------	174	----------	----------	----------	----------	174
2	Miners Coulee	2	----------	677	----------	677	----------	----------
7	Monarch	13	1,788	11,689	8,596	2,371	----------	2,510
3	Mosser	3	----------	533	----------	533	----------	----------
2	Nohly	2	824	16,996	----------	17,050	----------	770
3	Otis Creek	3	2,070	3,003	----------	3,376	----------	1,697
7	Outlook	9	5,965	29,314	30,493	----------	----------	4,786
1	Outlook South	1	1,534	----------	1,113	----------	----------	421
2	Outlook West	2	1,066	2,407	2,395	----------	----------	1,078
1	Pennel-Lookout Butte	107	----------	203,944	203,944	----------	----------	----------
4	Pine	113	17,437	235,987	232,318	----------	----------	21,106
59	Pondera	282	4,717	24,368	25,483	----------	----------	3,602
6	Poplar	62	8,545	42,542	42,899	----------	----------	8,188
2	Poplar Northwest	2	1,206	392	608	----------	----------	990
----	Prairie Elk	----------	474	----------	----------	----------	----------	474
1	Pritchard Creek	1	167	624	624	----------	----------	167
1	Putnam	2	242	4,580	----------	4,580	----------	242
3	Rabbit Hills	3	1,504	6,181	----------	6,278	----------	1,407
1	Ragged Point	1	5,924	10,768	9,341	----------	----------	7,351
2	Rattlesnake Coulee	2	594	302	----------	410	----------	486
4	Raymond	4	3,596	28,819	30,714	----------	----------	1,701
3	Reagan	45	1,138	13,922	14,124	----------	----------	936
1	Red Creek	19	----------	12,528	12,528	----------	----------	----------
1	Red Fox	1	179	624	652	----------	----------	151
1	Redstone	1	411	1,789	1,830	----------	80	290
1	Repeat	1	300	1,139	----------	1,079	----------	360
4	Reserve	4	832	4,514	4,241	----------	----------	1,105
1	Richey	1	267	585	424	----------	----------	428
1	Richey Southwest	5	709	1,600	----------	2,041	----------	268
1	Riprap Coulee	1	351	1,359	1,483	----------	----------	227
1	Rosebud	1	662	6,361	6,374	----------	----------	649
1	Rush Mountain	1	474	2,262	2,016	----------	----------	720
2	Salt Lake	3	328	3,101	----------	2,873	----------	556
3	Sand Creek	4	718	1,974	1,746	----------	----------	946
2	Second Creek	2	760	5,825	----------	5,282	----------	1,303
3	Sioux Pass	4	3,333	25,623	26,849	----------	----------	2,107
1	Snyder	3	445	731	----------	834	----------	342
8	Soap Creek	19	1,556	3,406	3,350	----------	----------	1,612
1	Spring Lake	2	1,425	1,490	----------	1,634	----------	1,281
3	Stensvad	8	1,949	13,238	12,452	----------	----------	2,735
20	Sumatra	93	20,016	119,493	118,755	----------	----------	20,754
5	Tule Creek	5	3,020	16,940	----------	16,586	----------	3,374
2	Tule Creek East	2	1,053	4,794	----------	5,173	----------	674
3	Tule Creek South	3	986	1,257	----------	1,255	----------	988
2	Vida	2	648	923	----------	1,157	----------	414
5	Volt	6	2,743	11,231	----------	11,434	----------	2,540
1	Wagon Box	1	357	1,216	----------	1,217	----------	356
3	Weldon	3	1,161	4,309	4,643	----------	----------	827
1	West Butte	1	----------	705	----------	705	----------	----------
21	Whitlash	45	7,806	11,131	10,545	----------	----------	8,392
----	Whitlash West	----------	284	----------	----------	----------	----------	284
2	Willow Creek North	2	263	1,507	1,276	----------	----------	494
2	Wills Creek South	2	----------	2,412	2,412	----------	----------	----------
4	Winnett Junction	4	1,805	5,369	----------	6,075	----------	1,099
2	Wolf Springs	2	873	1,472	----------	1,761	----------	584
2	Woodrow	2	386	2,479	2,675	----------	----------	240
3	Wright Creek	5	2,618	750	750	----------	----------	2,618
----	Wildcat, Blaine Co.	----------	157	----------	----------	----------	----------	157
----	Wildcat McCone Co.	----------	87	----------	----------	----------	----------	87
----	Wildcat, Toole Co.	----------	294	----------	----------	----------	----------	294
699	TOTAL	3,050	321,580	2,910,532	2,671,060	245,704	1,042	314,306

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1973	34,620,182	94,850	34,617,999	94,844
1st Quarter, 1974	8,601,572	95,573	8,580,737	95,342
2nd Quarter, 1974	8,837,787	97,119	8,818,313	96,905
3rd Quarter, 1974	8,586,617	93,333	8,352,266	90,786
October, 1974	2,910,532	93,888	2,916,764	94,089

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF OCTOBER, 1974

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			697				697		
BAINVILLE—Koch Oil Company			1,129				1,129		
BEAR'S DEN—Truck			824				824		
BELL CREEK—Pipeline	40,287	810,119					477,849	305,622	66,935
BIG WALL—Continental Pipeline Co.		5,744				5,744			
BLACKFOOT—Phillips Petroleum Co.		1,112						1,112	
BORDER—Permian Corp.			410					410	
BOWES—Texaco		11,461				11,461			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Co.			15,543					15,543	
BRUSH LAKE—Portal Pipeline Co.		10,785					10,785		
BURNS CREEK—Western Crude Oil, Inc.			1,180				1,180		
CABIN CREEK & OTHERS[1]									
Butte Pipeline Co.	264,914	432,740	60,367	1,616,915			2,131,575		243,361
Shell Pipeline Co.	2,266	50,727			(398)			48,172	5,219
	267,180	483,467	60,367	1,616,915	(398)		2,131,575	48,172	248,580
CANAL—Koch Oil Co.			4,378				4,378		
CAT CREEK—Continental Pipeline Co.		11,030				11,030			
CHELSEA CREEK—Western Crude Oil, Inc.			210				210		
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			1,488				1,488		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			14,696				14,696		
CUT BANK—									
Continental Pipeline Co.		483,810	8,205					492,015	
Phillips Petroleum Co.	47,075	95,251		83,984	69	163,215			63,026
Texas Pipeline Co.	13,200	33,466		90,815	180	116,813			20,488
Union Oil Co.	36,194	40,549			1,044				75,699
Western Oil Trans. Co.		29,920				29,920			
Western Oil Trans. Co. (Moulton)		117,454				117,454			
	96,469	800,450	8,205	174,799	1,293	427,402		492,015	159,213
DELPHIA—Truck			355			355			
DWYER—Portal Pipeline Co.		10,479					10,479		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		109,298				109,298			
FAIRVIEW—									
Fairview Pipeline Co.		13,617					13,617		
Koch Oil Co.			15,160				15,160		
		13,617	15,160				28,777		
FLAT COULEE—Phillips Petroleum Co.		10,552				10,552			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		58,076					58,076		
FT. GILBERT—Fairview Pipeline Co.		10,010					10,010		
FRANNIE—Interstate Pipeline Co.		682					682		
FRED AND GEORGE CREEK—Phillips Petroleum Co.	13,036	49,146			1,075	48,884			12,223
GAGE—Truck			168			168			
GIRARD—Koch Oil Co.			1,520				1,520		
GLENDIVE, DEER CREEK, WOOD-ROW AND SAND CREEK—Texas Pipeline Co.	11,354	23,256			768			25,280	8,562
GOOSE LAKE—Portal Pipeline Co.		23,142					23,142		
HAY CREEK—Fairview Pipeline Co.		4,907					4,907		
HIAWATHA—Continental Pipeline Co.		3,912					3,912		
IVANHOE—Continental Pipeline Co.		2,966				2,966			
JIM COULEE—Continental Pipeline Co.		44,723						44,723	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		10,843				10,843			
KELLEY—Continental Pipeline Co.		3,623				3,623			
KEVIN SUNBURST—									
Big West Oil Co.	5,074	12,688				10,626			7,136
Homestake Oil & Gas Co.	1,214	2,707				2,555			1,366
Texas Pipeline Co.	15,757	9,587		1,939	456	8,161			18,666
Northern Montana Oil Service	419	30,239				28,898			1,760
	22,464	55,221		1,939	456	50,240			28,928
LEARY—Permian Corp.			1,650				1,650		
LONE TREE CREEK—Koch Oil Co.			17,352					17,352	
MASON LAKE—Continental Pipeline Co.		718				718			
MELSTONE—Continental Pipeline Co.		1,797				1,797			
MIDDLE WALL—Continental Pipeline Co.[2]		31,400						31,400	
MOSSER—Permian Corp.			533				533		
NOHLY—Koch Oil Co.			17,050				17,050		
OTIS CREEK—Western Crude Oil, Inc.			3,376				3,376		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		33,927						33,927	
PONDERA—Phillips Petroleum Co.	22,429	27,028			11	26,110			23,336
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	8,573	50,989			105			54,444[3]	5,013
PUTNAM—Western Crude Oil, Inc.			4,580				4,580		
RABBIT HILLS—Koch Oil Co.			6,278				6,278		
RAGGED POINT—Continental Pipeline Co.		9,341				9,341			
RAYMOND—Portal Pipeline Co.		30,713					30,713		
RED CREEK—Western Oil Transportation Co.		19,979						19,979	
RESERVE—Portal Pipeline Co.		4,222					4,222		
RIPRAP COULEE—Portal Pipeline Co.		1,483						1,483	
ROSEBUD—Continental Pipeline Co.		6,374				6,374			
RUSH MOUNTAIN—Sinclair Ref. Co.		2,016					2,016		
SALT LAKE—Koch Oil Co.			2,873				2,873		
SECOND CREEK—Koch Oil Co.			5,282				5,282		
SNYDER—Permian Corp.			834			834			
SPRING LAKE—Koch Oil Co.			1,634				1,634		
SUMATRA AND STENSVAD—Continental Pipeline Co.	697,695	135,256		2,443,247	5,754	135,256		2,373,404	761,784
TULE CREEK, BENRUD, VOLT & OTHERS[4]—Tesoro Petroleum, Permian Corp.	3,524		47,624	1,748		49,209			3,687
			1,255			1,255			
	3,524		48,879	1,748		50,464			3,687
WAGON BOX—Truck			1,217				1,217		
WHITLASH AND WHITLASH WEST—Phillips Petroleum Co.		10,545				10,545			
WINNETT JCT.—Truck			6,075			6,075			
WOLF SPRINGS—Permian Corp.			1,761			1,761			
TOTAL	1,183,011	2,934,409	245,704	4,238,648	9,064	941,841	2,867,740	3,464,866	1,318,261

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Weldon and Wills Creek South, Vida.
[2]Little Wall Creek and Willow Creek North.
[3]Transferred to Butte Pipeline Co.
[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Voit.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF OCTOBER, 1974

	Big West Oil Co.	Continental Oil Co.	Exxon Co.	Farmers Union	Phillips Petroleum Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall		5,744						5,744
Cat Creek		2,535		8,495				11,030
Cut Bank	12,979				126,765		111,478	251,222
Elk Basin		43,411	32,581	33,306				109,298
Flat Coulee							10,552	10,552
Fred and George Creek	48,884							48,884
Ivanhoe		2,966						2,966
Keg Coulee		7,210	1,704	2,304				11,218
Kelley			3,623					3,623
Kevin Sunburst	24,282							24,282
Mason Lake		718						718
Melstone				1,797				1,797
Pondera					21,281			21,281
Ragged Point		9,341						9,341
Rosebud		6,347						6,347
Richey, Southwest						3,234		3,234
Snyder		834						834
Sumatra and Stensvad		37,680	12,565	71,904				122,149
Tule Creek and Others						30,158		30,158
Whitlash					19,263			19,263
Winnett Junction				6,075				6,075
Wolf Springs			1,761					1,761
Volt						18,465		18,465
TOTAL Montana Oil	86,145	116,786	52,234	123,881	167,309	51,857	122,030	720,242
Canadian Oil Imported		481,292	8,078	512,888	21,701	1,748		1,025,707
Wyoming Oil Imported		781,981	424,891	159,003				1,365,875
TOTAL Montana, Canadian and Wyoming Oil	86,145	1,380,059	485,203	795,772	189,010	53,605	122,030	3,111,824

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1974	26,563	43,474	69,599	139,636
October, 1973	25,267	49,638	70,424	145,329
October, 1974	23,234	33,087	44,060	100,381

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1974	19.02%	31.13%	49.85%
October, 1973	17.39%	34.15%	48.46%
October, 1974	23.15%	32.96%	43.89%

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1973	313,272	1,326,148	1,014,438	2,653,858
March, 1974	330,336	1,397,963	1,001,634	2,729,933
June, 1974	347,688	1,287,735	1,350,781	2,986,204
September, 1974	321,580	1,183,011	1,105,051	2,609,642
October, 1974	314,306	1,318,261	1,146,692	2,779,259